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### [PDF] Automatic text processing: the transformation

G Salton - *Analysis and Retrieval of Information by Computer*, 1980 - ca.huj.ac.il

... 1 or 0 (unordered set of documents) many documents or few documents End-users cannot manipulate ... evaluation result is a list of documents, sorted by their similarity to the query. ... Efficiency: time, space Effectiveness: How is a system capable of retrieving **relevant** documents? ...

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### [PDF] Simple, proven approaches to text retrieval

SE Robertson, KJ Jones - *University of Cambridge Computer Laboratory* ... 1994 - Citeseer

... not so much from **reweighting the original query terms**, as from **expanding the query** by adding ... Different combinations of **user** and **system effort** may be used to select new terms. ... All terms taken from **relevant** documents are ranked according to their **Offer Weight** (see Robertson ...)

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[psu.edu \[PDF\]](#)

### Search improvement via automatic query reformulation

S Gauch, JB Smith - *ACM Transactions on Information Systems* ( ... 1991 - portal.acm.org

... **novice users** by providing **automatic query reformulation** to improve the **search results**, and **automatic ranking** of the retrieved passages to speed the identification of **relevant information**. **Users' search performance** using the expert system was compared with their **search ...**

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### On relevance weight estimation and query expansion

SE Robertson - *Journal of Documentation*, 1986 - emeraldinsight.com

... et al 4 One concern of the probabilistic theory has been with **automatic or semi-automatic query expansion**, that is the addition of new terms **not suggested by the user** ... **iterative search**, this can simply take the form of adding terms occurring in the **relevant** documents found ...

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### An expert system for automatic query reformulation

S Gauch, JB Smith - *Journal of the American Society for ...*, 1990 - intscience.wiley.com

... passages that the **user** will find **highly relevant**, but the goal is to find somewhat **relevant** passages that ... I in **query q**,  $T(q)$  reflects the relationship of the **search term** to the **user's original term**. ... The **query term weights** fall in the range [0, 1] as required, with the original word receiving ...

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### SAVVYSEARCH: A metasearch engine that learns which search engines to query

AE Hogue, D Greisdorf - *Ar Magister*, 1997 - aea.org

... that no single **search engine** is likely to return more than 45 percent of the **relevant** results [Selberg ... To supplement the results collected so far, the **user** can execute another step in the ... the metaindex values for the terms in the **query** weighted by the ubiquity of the **query term** and ...

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### Term-weighting approaches in automatic text retrieval\* 1

G Salton, G Buckley - *Information processing & management*, 1980 - Elsevier

... depends on two main factors: one, items likely to be **relevant** to the **user's** needs must ... served by using narrow, highly specific terms that are capable of isolating the few **relevant** items from ... system measuring the **frequency** of occurrence of the terms in the document or **query texts** ...

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[cornell.edu \[PS\]](#)

### Ontology based personalized search

A Pletschinger, S Gauch - *ICMI*, 1989 - computer.org

... In the evaluation of the proposed system, 48 **query re-** sults have been judged by 16 **users**, the judgment being ei- ther "relevant" or "irrelevant". On average, only out of 20 result pages were considered to be **relevant** (me- dian  $\mu$ , standard deviation  $\Pi M$ ) ...

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[psu.edu \[PDF\]](#)

### A user-centred evaluation of ranking algorithms for interactive query expansion

EN Eltmisliadi - *Proceedings of the 18th annual international ACM ...*, 1993 - portal.acm.org

... used in two ways (Robertson 1986, p.186). In **automatic query expansion** every term from the **relevant** document would be weighted using  $c = n/N$  and added to the ... the **user** would then be weighted with the  $F_4$ -point-5 formula. ... **query expansion** terms. Apart from the theoretical ar- ...

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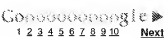
### Relevance feedback revisited

D Harman - *Proceedings of the 15th annual international ACM ...*, 1992 - portal.acm.org

... use of this relevance weighting formula in **operational relevance feedback** situation in which **user** sees only a few **relevant** documents in ... Harper and van Rijsbergen (1976) used the probabilistic model to reweight **query terms**, using **all relevant** document information ...

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